



# GEORGIA

DEPARTMENT OF NATURAL RESOURCES

## ENVIRONMENTAL PROTECTION DIVISION

### Air Quality - Part 70 Operating Permit Amendment

**Facility Name:** GIW Industries, Inc.  
**Facility Address:** 5000 Wrightsboro Road  
Grovetown, Georgia 30813, Columbia County  
**Mailing Address:** 5000 Wrightsboro Road  
Grovetown, Georgia 30813  
**Parent/Holding Company:** KSB  
**Facility AIRS Number:** 04-13-073-00004

In accordance with the provisions of the Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq and the Georgia Rules for Air Quality Control, Chapter 391-3-1, adopted pursuant to and in effect under the Act, the Permittee described above is issued a construction permit for:

**Construction and operation of a new cleaning department (ie. grinding), shot blast, machine shop, and paint booth.**

This Permit Amendment shall also serve as a final amendment to the Part 70 Permit unless objected to by the U.S. EPA or withdrawn by the Division. The Division will issue a letter when this Operating Permit amendment is finalized.

This Permit Amendment is conditioned upon compliance with all provisions of The Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq, the Rules, Chapter 391-3-1, adopted and in effect under that Act, or any other condition of this Amendment and Permit No. **3561-073-0004-V-04-0**. Unless modified or revoked, this Amendment expires upon issuance of the next Part 70 Permit for this source. This Amendment may be subject to revocation, suspension, modification or amendment by the Director for cause including evidence of noncompliance with any of the above; or for any misrepresentation made in App No. **584893** dated **March 2, 2022**; any other applications upon which this Amendment or Permit No. **3561-073-0004-V-04-0** are based; supporting data entered therein or attached thereto; or any subsequent submittal or supporting data; or for any alterations affecting the emissions from this source.

This Amendment is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached **6** pages.



Richard E. Dunn, Director  
Environmental Protection Division

Table of Contents

**PART 1.0 FACILITY DESCRIPTION ..... 1**  
1.3 Process Description of Modification ..... 1  
**PART 3.0 REQUIREMENTS FOR EMISSION UNITS ..... 2**  
3.1.1 Additional Emission Units ..... 2  
3.2 Equipment Emission Caps and Operating Limits ..... 2  
3.5 Equipment Standards Not Covered by a Federal or SIP Rule and Not Instituted as an Emission Cap  
or Operating Limit ..... 2  
**PART 4.0 REQUIREMENTS FOR TESTING ..... 3**  
4.2 Specific Testing Requirements ..... 3  
**PART 5.0 REQUIREMENTS FOR MONITORING (Related to Data Collection) ..... 4**  
5.2 Specific Monitoring Requirements ..... 4  
**PART 6.0 OTHER RECORD KEEPING AND REPORTING REQUIREMENTS ..... 5**  
6.1 General Record Keeping and Reporting Requirements ..... 5

**PART 1.0 FACILITY DESCRIPTION**

**1.3 Process Description of Modification**

This application is for the construction and operation of a new cleaning department (ie. grinding), shot blast, machine shop, and paint booth.

**PART 3.0 REQUIREMENTS FOR EMISSION UNITS**

Note: Except where an applicable requirement specifically states otherwise, the averaging times of any of the Emissions Limitations or Standards included in this permit are tied to or based on the run time(s) specified for the applicable reference test method(s) or procedures required for demonstrating compliance.

**3.1.1 Additional Emission Units**

Emission Units			Applicable Requirements/Standards	Air Pollution Control Devices	
ID No.	Description	Process Group		ID No.	Description
P003	Painting and Coating	FIN	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	CE13	Filter
FG08	Machining	FIN	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	None	None
FG09	Grinding	FIN	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	None	None
FG10	LCCI 2 Shot blast booth	FIN	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	CD12	Baghouse

\* Generally applicable requirements contained in this permit may also apply to emission units listed above. The lists of applicable requirements/standards are intended as a compliance tool and may not be definitive.

**3.2 Equipment Emission Caps and Operating Limits****NEW CONDITION**

3.2.3 The Permittee shall operate Baghouse CD12 at all times that the associated Shot Blast Booth is in operation.  
[Avoidance of 40 CFR 52.21]

**3.5 Equipment Standards Not Covered by a Federal or SIP Rule and Not Instituted as an Emission Cap or Operating Limit****MODIFIED CONDITION**

3.5.1 The Permittee shall ensure emissions from the Paint Booths (Emission Unit ID No. P002 and P003) are controlled by paint booth filters (Air Pollution Control Device Nos. CE12 and CE13) at all times the associated paint booth is in operation.  
[391-3-1-.02(2)(a)10]

**PART 4.0 REQUIREMENTS FOR TESTING**

**4.2 Specific Testing Requirements**

**MODIFIED CONDITION**

- 4.2.1 The Permittee shall conduct subsequent Method 9 performance tests on each building or structure housing any iron foundry emissions source to demonstrate compliance with the opacity limit in Condition 3.3.3 at a frequency no less than once every six months from the last test.  
[40 CFR 63.7731(b)]

**NEW CONDITION**

- 4.2.4 Within 180 days upon startup of LCCI 2 Shot blast booth, the Permittee shall conduct a performance test on Baghouse CD12 to demonstrate compliance with the emission factor of 0.171 lb PM/ton material as shown in Application No. 584893. If the facility fails to demonstrate 0.171 lb/ton, the facility must submit an application demonstrating how they intend to maintain their PM PSD SM source status for the entire facility with the test results.  
[391-3-1-.02(6)(b)1(i) and 40 CFR 63.7743(a)]

**PART 5.0 REQUIREMENTS FOR MONITORING (Related to Data Collection)****5.2 Specific Monitoring Requirements****MODIFIED CONDITION**

5.2.1 The Permittee shall perform a check of visible emissions from the stacks for Baghouses CD01A, CD01B, CD03, CD04, CD08 and CD12 and Dust Collectors CD09, CD10 and CD11. The Permittee shall retain a record in a daily visible emissions (VE) log suitable for inspection or submittal. The check shall be conducted at least once for each day or portion of each day of operation and shall be conducted using the following procedure:  
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

- a. The person performing the determination shall stand at a distance of at least 15 feet which is sufficient to provide a clear view of the plume against a contrasting background with the sun in the 140° sector at his/her back. Consistent with this requirement, the determination shall be made from a position such that the line of vision is approximately perpendicular to the plume direction. Only one plume shall be in the line of sight at any time when multiple stacks are in proximity to each other.
- b. For each source that exhibits visible emissions, the Permittee shall determine the cause of the visible emissions and correct the problem in the most expedient manner possible. The Permittee shall note the cause of the visible emissions, the pressure drop, any other pertinent operating parameters, and the corrective action taken in the maintenance log.

**MODIFIED CONDITION**

5.2.2 The Permittee shall install, calibrate, maintain, and operate monitoring devices for the measurement of the indicated parameters on the following equipment. Where such performance specification(s) exist, each system shall meet the applicable performance specification(s) of the Division's monitoring requirements.  
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

- a. Pressure drop for baghouses CD01A, CD01B, CD03, CD04, CD08 and CD12. The pressure drop shall be monitored and data recorded as specified in Condition 5.2.3.
- b. Pressure drop across the paint booth filters (Air Pollution Control Device No. CE12 and CE13). Data shall be recorded daily, if operated.
- c. Pressure drop for Dust Collectors CD09, CD10 and CD11. The pressure drop shall be monitored and data recorded as specified in Condition 5.2.3.

**PART 6.0 OTHER RECORD KEEPING AND REPORTING REQUIREMENTS****6.1 General Record Keeping and Reporting Requirements**

6.1.7 For the purpose of reporting excess emissions, exceedances or excursions in the report required in Condition 6.1.4, the following excess emissions, exceedances, and excursions shall be reported:

[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

- a. Excess emissions: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping which is specifically defined, or stated to be, excess emissions by an applicable requirement)

None required to be reported in accordance with Condition 6.1.4.

- b. Exceedances: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) do not meet the applicable emission limitation or standard consistent with the averaging period specified for averaging the results of the monitoring)

- i. Any twelve consecutive month period during which the amount of iron poured from the induction furnaces exceeds 30,000 tons.
- ii. Any furan warm box mold or core-make chemical formulation that contains methanol as a specific ingredient of the catalyst formulation as determined by the Material Safety Data Sheet.
- iii. Any exceedance of the emission limit for the electric induction melting furnaces ME14 and ME15 as stated in Condition 3.3.4.

- c. Excursions: (means for the purpose of this Condition and Condition 6.1.4, any departure from an indicator range or value established for monitoring consistent with any averaging period specified for averaging the results of the monitoring)

- i. For the sources specified in Condition 5.2.1, any two consecutive required daily determinations of visible emissions from the same source for which visible emissions are present.
- ii. For the Baghouses (Source Codes CD01A, CD01B, CD03, CD04, CD08 and CD12), any required determination of pressure drop across the baghouse that is less than the value established during the most recent performance test.
- iii. For paint booth filters (Air Pollution Control Device No. CE12 and CE13), any period during which the pressure drop across any paint booth filter exceeds the manufacturer's recommended pressure drop and is not corrected within 24 hours.

## Title V Permit Amendment

GIW Industries, Inc.

Permit No.: 3561-073-0004-V-04-1

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- iv. For the Dust Collectors (Source Codes CD09, CD10 and CD11), any required determination of pressure drop across the baghouse that is less than the value established during the most recent performance test.



